

# STRUCTURE NO. 00705

ROUTE 15  
over  
RIPPOWAM RIVER  
STAMFORD

Routine Inspection  
on  
5/12/2009

Inspected by Team 6  
for Area 6

<b>TEAM:</b>	Forwarded to TE3	Jim Matulis	Date	5/13/2009
<b>TE3:</b>	Reviewed by TE3	Jim Matulis	Date	5/19/2009
	BMM Required	No		
	Town Bridge	No		
	Rating <= 5 (Items 58/59/60 or 62)	Yes		
	Forwarded to Supervisor	S. Dunas	Date	5/19/2009
	Forwarded to "To Be Copied Drawer"	<input checked="" type="checkbox"/>	Date	5/29/09
	Date BRI-19 Entered	5/19/2009		
<b>SUPERVISOR:</b>	Reviewed by Supervisor	S. Dunas	Date	5/29/09
<b>SUPPORT:</b>	Date Copies Made	6/8/09	BMM No	TRANS
	Scanned By:		Date Scanned	
			PDF Box No	

NBI: Yes

Structure No.	00705	Town	STAMFORD
Inspection Date	5/12/2009	Inspectors	

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Enclosed

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### **Forms**

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**Comments:**

Bridge Number

00705

Inspected By: J. Jones & E. Picillo

Sufficiency Rating 64.00  
Previous Inspection Date 4/4/2007

BS&E Received ☐ Data Entry By: J. Martinez  
Copies Made ☐ Data Entry Date: 5/18/2009

STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION  
BRIDGE SAFETY & EVALUATION

STRUCTURE EVALUATION

SHEET 1 OF 2 FORM BR-19 REV 10/00

SHEET 1 OF 9

IDENTIFICATION

Bridge Name STAMFORD Town Code 73070

Inventory Route: 1 State Highway 00015

A) Record Type 3 B) Signing Prefix 1 C) Level of Service 1

6) Feature Intersected RIPPOWAM RIVER

7) Facility Carried: ROUTE 15

9) Location .5 MI S OF ROUTE 137 INT

11) Milepoint 10.12 Miles

16) Latitude 41deg 6 min 54.00 sec 17) Longitude 73deg 33 min 18.00 sec

98) Border Bridge: A) State Code B) Percent Responsibility

C) Border Town Name

99) Border Bridge Structure No

STRUCTURE TYPE AND MATERIAL

43) Structure Type, Main: A) Material 1 Concrete B) Design Type 11 Arch - Deck

44) Structure Type, Approach: A) Material 0 Other B) Design Type 0 Other

45) Number of Spans, Main Unit 1

46) Number of Approach Spans 0

107) Deck Structure Type N Not Applicable

108) Wearing Surface/Protective System: A) Type of Wearing Surface N Not Applicable B) Type of Membrane N Not Applicable C) Type of Deck Protection N Not Applicable

AGE AND SERVICE

27) Year Built 1936 42) Type of Service: 1 Highway B) Under 5 WATERWAY

28) Number of Lanes: 4 A) On B) Under

29) Average Daily Traffic 62900 109) Percent Truck 3% Half ADT?: No

30) Year of ADT 2006 19) Bypass, Detour Length 3miles

GEOMETRIC DATA

48) Length of Max Span 55ft 49) Structure Length 63ft

50) Curb or Sidewalk Widths: A) Left 0.9ft B) Right 0.9ft

51) Brg Rdwy width, curb-curb 56.0ft 52) Deck Width, Out-Out 65.9ft

32) Approach Roadway Width 63ft 33) Bridge Median 2 Closed Median, no barrier

Deck Area 4151 sqft

34) Skew Angle 26deg 35) Structure Flared 0

10) Inv. Rte. Min. Vert Clearance 99ft 47) Log Inv. Rte. Total Horiz Clr.: 29.0ft

47) RLog Inv. Rte. Total Horiz. Clr.: 99ft 53) Min Vert Clearance Over Bridge 99in

54) Min Vert Under Clearance N Ref 55) Min Lat Under Clearance on Right N Ref 56) Min Lat Under Clearance on Left 0.0ft

BRIDGE COMMENTS

90) Inspection Date	05/11/2009	Inspection Team	4	24	01
Indepth Insp	12/9/1998	Deck Survey	2011	1/1/1900	Access
Special:		Type	Frequency	Team	Date
Fracture:					
Uwater:					
Special:					

RED FLAG

# CLASSIFICATION

112) NBIS Bridge Length	Yes	
104) Highway System	1 On System	
26) Functional Class	12 Urban Principal Arterial - Other	
100) Defense Highway	1 Defense Highway	
101) Parallel Structure	N No parallel structure exists	
102) Direction of Traffic	2 2-way traffic	
103) Temporary Structure		
110) Designated National Network	0 Not on national network	
20) Toll	3 On Free Road	
21) Maintain	1 State Highway Agency	
22) Owner	1 State Highway Agency	
Report Class	S STATE	
37) Historical Significance	1 On National Register	

# WATERWAY

DrainageBasinCode	7405	
38) Navigation Control	0 No navigation control on waterway	
39) Navigation Vert Clr.	0	
40) Navigation Horiz Clr.	0	
116) Vert-Lift Brg Nav Min		
111) Pier Abutment Protection		

# PROPOSED IMPROVEMENTS

75A) Type of Work Proposed		
75B) Work Done By		
76) Length of Struct. Improvement		
94) Bridge Improvement Cost	\$	
95) Roadway Improvement Cost	\$	
96) Total Project Cost	\$	
97) Year of Improvement Cost Est.		
114) Future ADT		
115) Year Future ADT		

# POSTED SIGNS & UTILITIES

Other Posted Signs 1		
Other Posted Signs 2		
Actual P.L. Single Unit Truck	tons	
Rec. P.L. Single Unit Truck	tons	
Actual P.L. Semi-Trailer Truck	tons	
Rec. P.L. Semi-Trailer Truck	tons	
Rec. P.L. All Vehicles	tons	
Posted Vert Clearance On Bridge	ft	
Posted Vert Under Clearance	ft	
Posted Speed Limit	50 mph	

# STRUCTURE EVALUATION

SHEET 2 OF 2 FORM BR-19 REV 10/00

SHEET 2 OF 9

Inspected By: J. Jones & E. Rucillo

Bridge Number	00705	NBIS Length
Town Name	STAMFORD	Yes 63
Facility Carried	ROUTE 15	
Feature Crossed	RIPPOWAM RIVER	

# LOAD RATING AND POSTING

31) Design Load	4	
63) Operating Rating Type	1	
64) Operating Rating	159.2	
65) Inventory Rating Type	1	
66) Inventory Rating	95.4	
31) Design Load		
63) Operating Rating Type		
64) Operating Rating		
65) Inventory Rating Type		
66) Inventory Rating		

# CONDITION

Rating By

# APPRAISALS

Rating By

58) Deck	N	
59) Superstructure	5	
60) Substructure	6	
61) Channel & Chan. Protection	5	
62) Culverts	N	
67) Structure Evaluation	5	
68) Deck Geometry	2	
69) Under Clear Vert & Horiz	N	
71) Waterway Adequacy	9	
72) Approach Rdwy Alignment	8	
113) Scour Critical	3	

Items 58 Thru 72 Checked By:

36) Traffic Safety Features:

A) Bridge Railings	1	
B) Transitions	0	
C) Approach Guardrail	1	
D) Approach Guardrail End	0	

# OTHER FEATURES

Fence Required	No	
Fence Present	No	
Fence Height	0.0 ft	
Fence Type		
Fence Material		
Fence Top Type		
Barrel Ladder	No	
Stand Pipes	No	
Cat Walks	No	
Movable Inspection System	No	
Loose Concrete Checked?	Yes	

# INSPECTION COMMENTS

Proposed Next Indepth Insp Year	2009
Senior	Ron Jantzen
Supervisor	Joseph Kozlowski

REVIEWED BY: [Signature] Date 5/18/2009

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**Connecticut Department of Transportation**  
**Bridge Inspection Report BRI-18**

**BRIDGE #:** 00705

**INSPECTION DATE:** 5/12/2009

**INSPECTION TYPE:** Routine **PREVIOUS INSPECTION DATE:** 4/4/2007 **SNOOPER REQUIRED:** No  
**INSPECTION PERFORMED BY:** Team 6 **SNOOPER USED:** No

**TOWN:** STAMFORD **FEATURE CARRIED:** ROUTE 15 **YEAR BUILT:** 1936  
**LOCATION:** .5 MI S OF ROUTE 137 INT **FEATURE INTERSECTED:** RIPPOWAM RIVER **YEAR REBUILT:** 0  
**MAIN MATERIAL:** Concrete **MAIN DESIGN:** Arch - Deck

**INSPECTION VISITS:**

**Inspection Date:** 5/12/2009 **Start Time:** 1:15 PM  
**Temperature:** 63 °F **End Time:** 3:00 PM

**INSPECTORS:**

**Inspector:** J. Jones **Task:** Lead Inspector  
**Inspector:** E. Pucillo **Task:** Inspector

**58. DECK**

**OVERALL RATING** **p**

**RATING**

OVERLAY	<b>6</b>	Bituminous over Ballast: exhibits longitudinal, random and transverse cracking, some open up to 1" wide. Centerline paving seams are open with some raveling, and has one adjacent spall 1' dia upto 3" deep.
DECK STR. CONDITION	<b>N</b>	Overall rating is based on the condition of the wearing surface when the deck is integral with the superstructure.
CURBS	<b>5</b>	Concrete curbs/safety walks: exhibit areas of severe scale, transverse cracks and spalls.
MEDIAN	<b>7</b>	MBR: exhibits minor dents leaning posts and areas of very light rust.
SIDEWALKS	<b>N</b>	See curbs.
PARAPET	<b>5</b>	Stone Masonry: exhibits a +/- 10' long x 2' wide section which is bowed out +/- 3" near the top at the northeast corner, minor to moderate mortar voids and some loose and cracked mortar.
RAILING	<b>N</b>	
PAINT	<b>N</b>	
FENCE	<b>N</b>	
DRAINS	<b>N</b>	
LIGHTING STANDARD	<b>N</b>	
UTILITIES TYPE/SIZE	<b>N</b>	
CONSTRUCTION JOINTS	<b>N</b>	
EXPANSION JOINTS	<b>N</b>	

**59. SUPERSTRUCTURE**

**OVERALL RATING** **5**

**RATING**

BEARING DEVICES	<b>N</b>	
STRINGERS	<b>5</b>	Intrados : exhibits.. Heavy efflorescence and active leakage at the interface of the intrados and the arch ring. A +/- 15' long diagonal crack with efflorescence and active leakage at the northwest corner. Hairline map cracking at random locations. Pop-outs with exposed rebars (rusted) at random locations. A spall with exposed rusted rebar with a small adjacent hollow area on the lower northwest corner. Exposed rusted shallow rebar along the construction joint on the east side. D shape potential spall adjacent to construction joint.

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## Connecticut Department of Transportation

### Bridge Inspection Report BRI-18

BRIDGE #: **00705**

INSPECTION DATE:

5/12/2009

**59. SUPERSTRUCTURE**

OVERALL RATING **5**

An area of moderate scale with adjacent spall with rusted rebar on the southwest corner.

Rust stains and efflorescence leakage at random locations.

Spandrel walls : exhibit

Random mortared joints exhibit heavy efflorescence seepage.

Areas of random cracking with and without efflorescence.

GIRDERS **N**

FLOOR BEAMS **N**

TRUSSES-GENERAL **N**

TRUSSES-PORTALS **N**

TRUSSES-BRACING **N**

PAINT **N**

RUST **6**

Moderate rust on exposed rebars.

MACHINERY MOV SPAN **N**

RIVETS & BOLTS **N**

WELDS & CRACKS **N**

TIMBER DECAY **N**

CONCRETE CRACKING **5**

See above.

COLLISION DAMAGE **8**

MEMBER ALIGNMENT **N**

DEFLECT. UNDER LOAD **N**

VIBR. UNDER LOAD **N**

STAND PIPES **N**

BARREL LADDERS **N**

ARE BARREL LADDERS OSHA COMPLIANT? ☐

**60. SUBSTRUCTURE**

OVERALL RATING **6**

RATING

ABUTMENTS-STEM **N**

ABUTMENTS-BACKWALL **N**

ABUTMENTS-FOOTINGS **7**

Northeast retaining wall footing exposed 30" high x full length (possibly as built). Probed and found no undermining. *ok*

Previous reports noted footing #1 exposed. Used boat this inspection no footing was found, it appears that rip rap has been placed along this area. Probed both stems and no undermining found.

ABUT.-SETTLEMENT **N**

ABUTMENTS-WINGWALLS **6**

Heavy efflorescence and missing and or cracked mortar on random areas. Stream gauge mounted on northwest wing.

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**Bridge Inspection Report BRI-18**

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**BRIDGE #:** 00705

**INSPECTION DATE:**

5/12/2009

**60. SUBSTRUCTURE**

**OVERALL RATING** 6

PIERS/BENTS-CAPS	N	
PIERS/BENTS-PILE BENT	N	
PIERS/BENTS-COLUMN	N	
PIERS/BENTS-FOOTINGS	N	
PIERS/BENTS-SETTLEMENT	N	
EROSION-SCOUR	6	Minor scour along the west side and silt accumulation along the east up to 2'.  Footing on the northeast retaining wall exposed up to 30" high with no undermining.
CONCRETE CRACK-SPALL	6	See comment under wing walls.
STEEL CORROSION	N	
PAIN	N	
TIMBER DECAY	N	
COLLISION DAMAGE	8	
DEBRIS	8	

**61. CHANNEL PROTECTION**

**OVERALL RATING** 6

RATING

CHANNEL SCOUR	6	Scour along the west stem and the northeast retaining wall.
EMBANKMENT EROSION	7	Minor erosion along the northwest embankment.
DEBRIS	5	Piles of muck and leaves in channel and some large rocks.
VEGETATION	8	Embankments are well vegetated.
CHANNEL CHANGE	7	The channel has silted in along stem # 2. Channel favors the northeast retaining wall and down the east stem.
FENDER SYSTEM	N	
SPUR DIKES & JETTIES	N	
RIP RAP	N	

**62. CULVERTS & RETAINING WALL**

**OVERALL RATING** N

**APPROACH CONDITION**

**OVERALL RATING** 6

RATING

APPROACH SLAB	N	Paved over.
RELIEF JOINTS	N	
APPROACH GUIDE RAIL	6	MBR at the northeast is scraped, flattened out, leaning toward traffic and has partial detachment of the anchoring bolts for +/- 30' long. No traffic safety at northwest.  Broken wire rope rail at the southeast.
APPROACH PAVEMENT	6	Bituminous pavement exhibits transverse and longitudinal cracking some open up to 1". Minor spalling along the paving seams.
APPROACH EMBANKMENT	7	Minor erosion.

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BRIDGE #: 00705

INSPECTION DATE:

5/12/2009



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BRIDGE #: 00705

INSPECTION DATE:

5/12/2009

APPROACH CONDITION

OVERALL RATING 6

TRAFFIC SAFETY FEATURES:

BRIDGE RAILINGS 0

TRANSITIONS 0

APPROACH GUARDRAILS 0

APPR. GUARDRAIL ENDS 0

LOAD POSTING

SINGLE UNIT (TONS)

HS (TONS)

4 AXLE (TONS)

3S2 (TONS)

ADVANCE WARNING Y/N

LEGIBILITY

VISIBILITY/LOCATION

MISC.

MIN VERT. UNDERCLR.

POSTED CLR. UNDER BRIDGE

POSTED CLR. ON BRIDGE

ADVANCE WARNING (Y/N)

SPEED LIMIT (IF ANY)

CHARACTER OF TRAFFIC

ADDITIONAL NOTES

Boat was used for inspection. No channel elevation done

ADDITIONAL COMMENTS:

Bridge ID painted on parapets. High water monitoring gauge mounted to the northwest wing at the interface of the arch ring.

Inspectors' Signatures:

1)

*James F. Hone*

Date: 05/18/09

2)

*Ed. Ruiz*

Date: 05/18/09

3)

Date: --/--/--

4)

Date: --/--/--

P.E. Signature:

P.E.#:

Date: --/--/--

Reviewed by:

*James F. Hone*

CDOT

Date: 5/19/2009

# Structure Inventory and Appraisal Sheet (English Units)

Bridge Key: 00705

Agency ID: 00705

Sufficiency Rating: 64.0

## IDENTIFICATION

State 1: 09 Connecticut Struc Num 8: 00705  
 Facility Carried 7: ROUTE 15 Location 9: .5 MI S OF ROUTE 137 INT  
 Rte.(On/Under)5A: Route On Structure Rte. Signing Prefix 5B: 3 State Hwy  
 Level of Service 5C: 1 Mainline Rte. Number 5D: 00015  
 Directional Suffix 5E: 0 N/A (NBI) % Responsibility: 0  
 SHD District 2: 03 County Code 3: Fairfield  
 Place Code 4: STAMFORD Mile Post 11: 10.118 mi  
 Feature Intersected 6: RIPPOWAM RIVER  
 Latitude 16: 41d 06' 54" Longitude 17: 073d 33' 18"  
 Border Bridge Code 98: Unknown (P)  
 Border Bridge Number 99: NA

## INSPECTION

Frequency 91: 24 months Inspection Date 90: 5/12/2009 Next Inspection: 05/12/2011  
 FC Frequency 92A: NA FC Inspection Date 93A: NA Next FC Inspection: NA  
 UW Frequency 92B: NA UW Inspection Date 93B: NA Next UW Inspection: NA  
 SI Frequency 92C: NA SI Date 93C: NA Next SI: NA  
 Element Frequency: 24 months Element Inspection Date: 05/12/2009 Next Elem. insp. Due: 05/12/2011

## CLASSIFICATION

Defense Highway 100: 1 STRAHNET hwy Parallel Structure 101: No || bridge exists  
 Direction of Traffic 102: 2 2-way traffic Temporary Structure 103: Unknown (NBI)  
 Highway System 104: 1 On the NHS NBIS Length 112: Long Enough  
 Toll Facility 20: 3 On free road Functional Class 26: 12 Urban Fwy/Expwy  
 Historical Significance 37: 1 Br on Natl Reg Hist Pl  
 Owner 22: 01 State Highway Agency  
 Custodian 21: 01 State Highway Agency

## STRUCTURE TYPE AND MATERIALS

Number of Approach Spans 46: 0 Number of Spans Main Unit 45: 1  
 Main Span Material/Design 43A/B:  
 1 Concrete 11 Arch-Deck

Deck Type 107: N N/A (NBI)  
 Wearing Surface 108A: N N/A (no deck (NBI))  
 Membrane 108B: N N/A (no deck (NBI))  
 Deck Protection 108C: N N/A (no deck (NBI))

## AGE AND SERVICE

Year Built 27: 1936 Year Reconstructed 106: Unknown  
 Type of Service on 42A: 1 Highway  
 Type of Service under 42B: 5 Waterway  
 Lanes on 28A: 4 Lanes Under 28B: 0 Detour Length 19: 3.1 mi  
 ADT 29: 64,100 Truck ADT 109: 3 % Year of ADT 30: 2003

## GEOMETRIC DATA

Length Max Span 48: 55.1 ft Structure Length 49: 63.0 ft  
 Curb/Sdwk Width L 50A: 1.0 ft Curb/Sidewalk Width R 50B: 1.0 ft  
 Width Curb to Curb 51: 56.1 ft Width Out to Out 52: 65.9 ft  
 Approach Roadway Width 32: 63.0 ft Median 33: 2 Closed Med w/o Barrier  
 Deck Area: 3,530.6 sq. ft  
 Skew 34: 26.00 ° Structure Flared 35: 0 No flare  
 Minimum Vertical Clearance Over Bridge 53: 328.1 ft  
 Minimum Vertical Underclearance Reference 54A: N Feature not hwy or RR  
 Minimum Vertical Underclearance 54B: 0.0 ft  
 Minimum Lateral Underclearance Reference R 55A: N Feature not hwy or RR  
 Minimum Lateral Underclearance R 55: 327.8 ft  
 Minimum Lateral Underclearance L 56: 0.0 ft

## CONDITION

Deck 58: N N/A (NBI) Super 59: 5 Fair Sub 60: 6 Satisfactory  
 Culvert 62: N N/A (NBI) Channel/Channel Protection 61: 5 Bank Prot Eroded

## LOAD RATING AND POSTING

Inventory Rating Method 65: 1 LF Load Factor Operating Rating Method 63: 1 LF Load Factor  
 Inventory Rating 66: HS52.6 Operating Rating 64: HS61.2  
 Design Load 31: 4 M 18 (H 20) Posting 70: 5 At/Above Legal Loads  
 Posting status 41: A Open, no restriction

## APPRAISAL

Bridge Rail 36A: 1 Meets Standards Approach Rail 36C: 1 Meets Standards  
 Transition 36B: 0 Substandard Approach Rail Ends 36D: 0 Substandard  
 Str. Evaluation 67: 5 Deck Geometry 68: 3 Intolerable - Correct  
 Underclearance, Vertical and Horizontal 69: N Not applicable (NBI)  
 Waterway Adequacy 71: 9 Above Desirable Approach Alignment 72: 6 Equal Desirable Crit  
 Scour Critical 113: 3 SC - Unstable

## PROPOSED IMPROVEMENTS

Bridge Cost 94: \$ 1,000 Type of Work 75: 38 Other Structural  
 Roadway Cost 95: \$ 1,000 Length of Improvement 76: 0.3 ft  
 Total Cost 96: \$ 2,000 Future ADT 114: 32,050  
 Year of Cost Estimate 97: 2000 Year of Future ADT 115: 2024

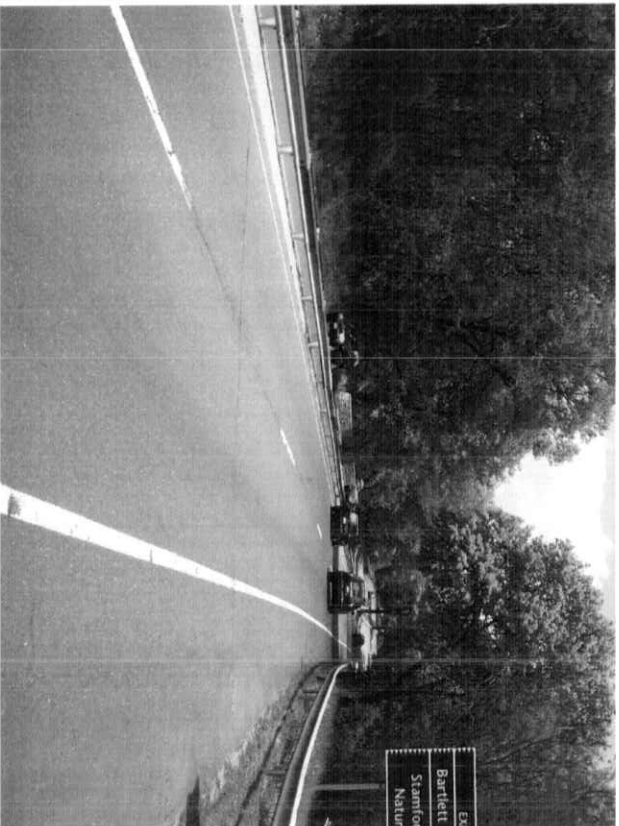
## NAVIGATION DATA

Navigation Control 38: 0 Permit Not Required  
 Vertical Clearance 39: 0.0 ft Horizontal Clearance 40: 0.0 ft  
 Pier Protection 111: Unknown (NBI) Lift Bridge Vertical Clearance 116: 0.0 ft

## ELEMENT CONDITION STATE DATA

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
UNIT0	40/3	P Conc Slab/AC Ovly	(SF)	4,155	100 %	4,155	0 %	0	0 %	0	0 %	0	0 %	0
UNIT0	144/3	R/Conc Arch	(LF)	52	85 %	45	8 %	4	8 %	3	0 %	0	0 %	0
UNIT0	333/3	Other Bridge Railing	(LF)	126	100 %	126	0 %	0	0 %	0	0 %	0	0 %	0
UNIT0	334/3	Metal Rail Coated	(LF)	63	52 %	33	48 %	30	0 %	0	0 %	0	0 %	0

<b>Bridge No.</b>	00705	<b>Inspected by:</b>	JAMES JONES
<b>Town:</b>	Stanford	<b>Inspected by:</b>	ED PUCILLO
<b>Feature Carried:</b>	Route 15	<b>Date Inspected:</b>	05/12/2009
<b>Feature Crossed:</b>	Rippowam River	<b>Project No.:</b>	

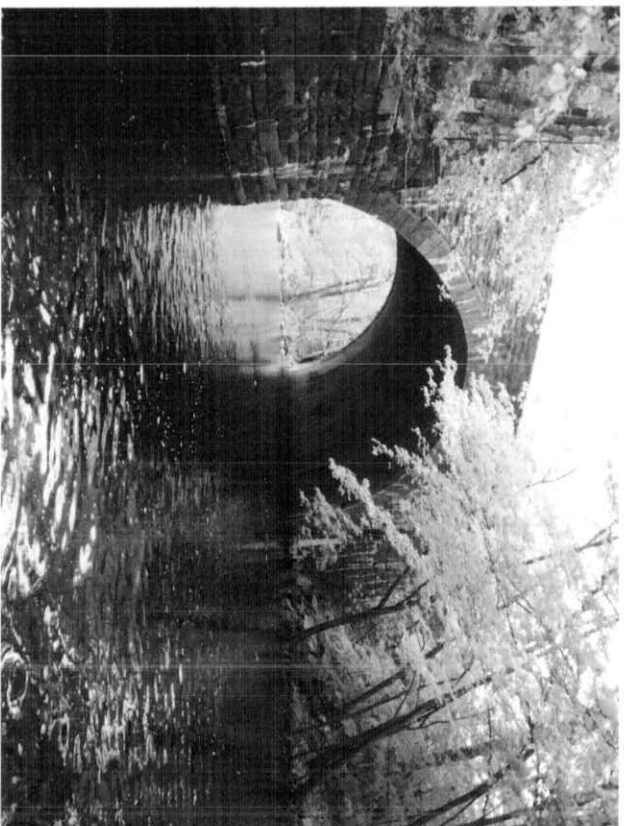


**Photo #1 :**  
**View looking East**

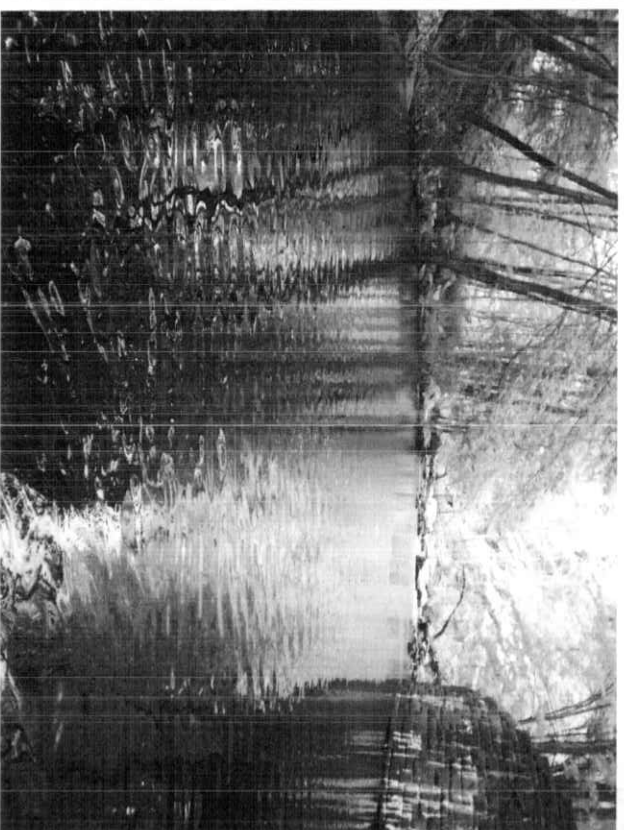


**Photo #2 :**  
**General view of wearing surface N/B**

<b>Bridge No.</b>	00705	<b>Inspected by:</b>	JAMES JONES
<b>Town:</b>	Stamford	<b>Inspected by:</b>	ED PUCILLO
<b>Feature Carried:</b>	Route 15	<b>Date Inspected:</b>	05/12/2009
<b>Feature Crossed:</b>	Rippowam River	<b>Project No.:</b>	

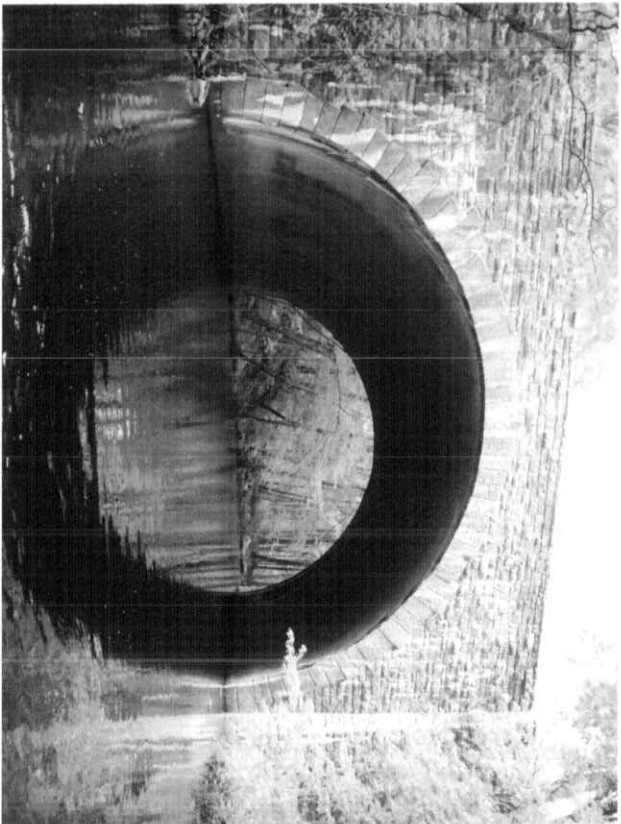


**Photo #3:**  
**North elevation**



**Photo #4:**  
**View looking upstream**

<b>Bridge No.</b>	00705	<b>Inspected by:</b>	JAMES JONES
<b>Town:</b>	Stamford	<b>Inspected by:</b>	ED PUCILLO
<b>Feature Carried:</b>	Route 15	<b>Date Inspected:</b>	05/12/2009
<b>Feature Crossed:</b>	Rippowam River	<b>Project No.:</b>	

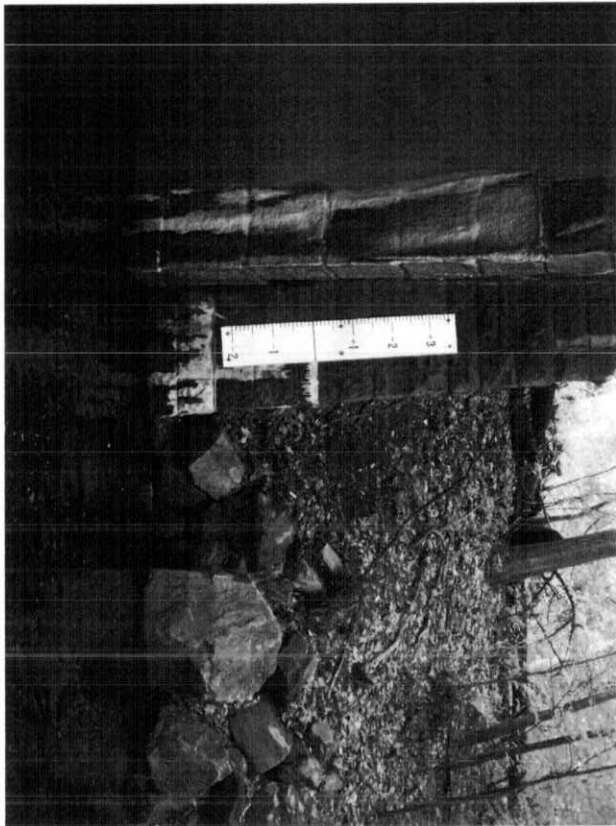


**Photo #5 :**  
**South elevation**

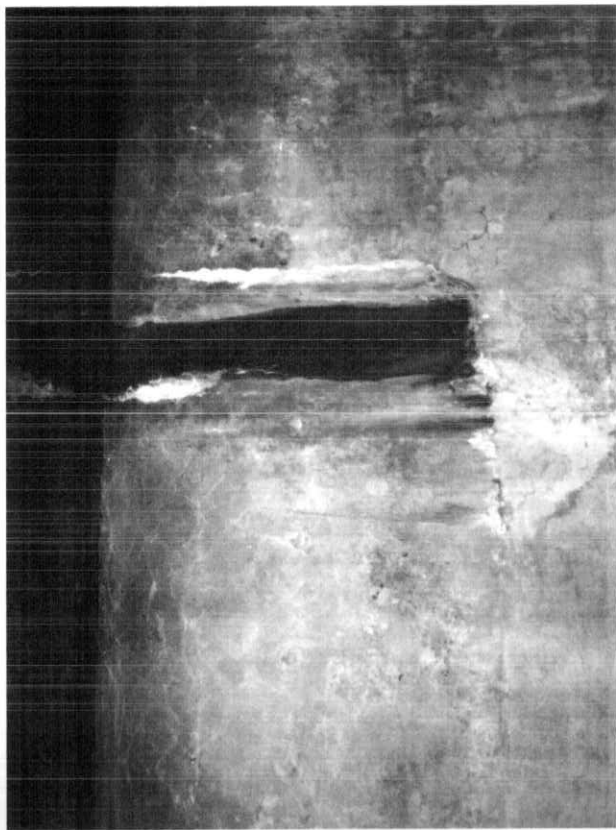


**Photo #6 :**  
**Construction joint in structure**

Bridge No.	00705	Inspected by:	JAMES JONES
Town:	Stamford	Inspected by:	ED PUCILLO
Feature Carried:	Route 15	Date Inspected:	05/12/2009
Feature Crossed:	Rippowam River	Project No.:	



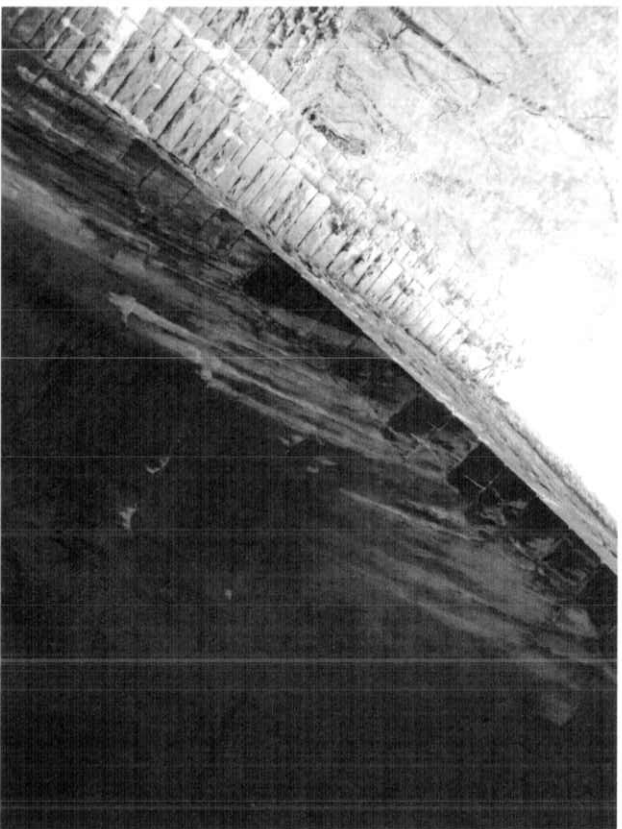
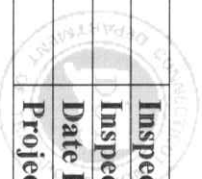
**Photo #7:**  
**Stream gauge at inlet**



**Photo #8:**  
**Spall with active leakage stem 1**



<b>Bridge No.</b>	00705	<b>Inspected by:</b>	JAMES JONES
<b>Town:</b>	Stanford	<b>Inspected by:</b>	ED PUCILLO
<b>Feature Carried:</b>	Route 15	<b>Date Inspected:</b>	05/12/2009
<b>Feature Crossed:</b>	Rippowam River	<b>Project No.:</b>	



**Photo # 9:**

**Cracks with efflo. on inter face north side**

**Double-click here to insert picture**

**Photo # :**